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Decolourisation of animal blood

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 289804	A					197145 B

Priority Applications (No Type Date): SU 1383214 A 19691204

Abstract (Basic): SU 289804 A

Declourisation of animal blood. Process comprising treating stabilised animal blood with 30% H₂O₂, removing excess H₂O₂ and drying, is rendered more effective by preliminarily subjecting the blood to partial hydrolysis by one of the known methods, e.g. with proteolytic enzymes, an acid or an alkali, and after 1-2 hrs. heating to 70-80 degrees C.

When proteolytic enzymes are used, the blood is heated, after the stabilisation to 56-59 degrees C to effect coagulation; then an antiseptic is added, e.g. acetic acid, and the blood is cooled to 40 degrees C.

For acid hydrolysis, diluted (1:3) acetic acid is used; for alkaline hydrolysis a 4-8% NaOH solution (10-15% with respect to the weight of blood).

The removal of the H₂O₂ excess is carried out by means of catalase (5 g. per 100 kg. of the hydrolysate).

The solubility and assimilability of the product are improved.

Title Terms: DECOLOUR; ANIMAL; BLOOD

Derwent Class: D13

International Patent Class (Additional): A23J-001/06

File Segment: CPI

Manual Codes (CPI/A-N): D03-F; D03-G

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